Table 5. Summary statistics for selected properties and constituents associated with storm-runoff samples from sampling sites at Fort Leavenworth, Kansas, 1995–96

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter; <, less than]

Property or constituent	06820464 Quarry Creek at Missouri River (fig. 2)				06820468 Unnamed tributary at Stimson Avenue (fig. 2)				06820472 Corral Creek at Fort Leavenworth (fig. 2)			
	Number of samples	Minimum	Maximum	Mean	Number of samples	Minimum	Maximum	Mean	Number of samples	Minimum	Maximum	Mean
Event average storm-runoff/streamflow discharge (ft^3/s)	6	1.8	25	8.4	6	3.5	9.8	6.4	9	5.8	22	12.6
Specific conductance (µS/cm)	5	401	943	743	5	92	242	156	9	177	439	320
pH (standard units)	5	7.1	7.7	7.4	5	6.9	7.7	7.2	9	7.1	7.5	7.4
Chemical oxygen demand (mg/L)	6	23	110	68	6	27	52	38	9	55	160	100
Dissolved solids (mg/L)	3	216	480	348	5	46	142	91	9	82	236	172
Suspended solids (mg/L)	6	98	864	496	6	76	594	304	9	258	3,360	1,645
Total ammonia plus organic nitrogen, as nitrogen (mg/L)	6	.50	4.5	2.2	6	.80	2.7	1.2	9	.80	5.5	2.0
Total nitrogen[1] (mg/L)	6	1.61	5.8	3.3	6	1.1	3.2	1.7	9	1.3	6.2	2.5
Total phosphorus (mg/L)	6	.24	1.3	.72	6	.14	.64	.32	9	.23	1.8	.72
Dissolved phosphorus (mg/L)	6	.06	.38	.17	6	.09	.28	.17	9	.08	.25	.14
Total recoverable cadmium (µg/L)	6	<1	2	1.0[2]	5	<1	<1	.5[2]	8	<1	3	2[2]
Total recoverable copper (µg/L)	6	6	37	20	5	5	11	8	8	10	58	29
Total recoverable iron (µg/L)	6	3,200	18,000	10,000	5	2,700	52,000	15,000	8	6,100	69,000	27,000
Total recoverable lead (µg/L)	6	8	82	41	5	17	68	43	8	15	110	64
Total recoverable manganese (µg/L)	6	160	3,200	1,300	5	310	810	540	8	410	2,600	1,900
Total recoverable zinc (µg/L)	6	40	230	150	5	40	140	100	8	80	390	240
Total organic carbon (mg/L)	6	7.1	31	22	6	7.9	19	11	9	14	56	34

[1]Total nitrogen was calculated by adding total nitrate plus nitrite as nitrogen and total ammonia plus organic nitrogen as nitrogen.

[2]The mean was calculated by making the nondetection value equal to one-half the analytical reporting level (<1.0⇒0.5).